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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Desiree H. Tsao et al                      Art Unit : 1631  
Serial No. : 09/821,819                                      Examiner : Michael L. Borin  
Filed : March 29, 2001  
Title : N-TRADD ACTIVE SITE AND USES THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11-20-03

  
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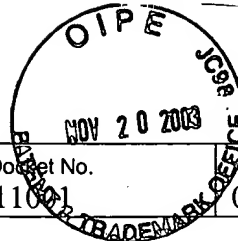
Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-011001	Application No. 09/821,819
	Applicant Desiree H. Tsao et al.		
	Filing Date March 29, 2001	Group Art Unit 1631	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,674,734	10/07/97	Leder et al.			
	AB	2002/0094540	07/18/02	Tsao et al.			
	AC						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AE	Arch et al., "Tumor necrosis factor receptor-associated factors (TRAFs) – a family of adapter proteins that regulates life and death," <i>Genes &amp; Development</i> , 12, 2821-2830, 1988
	AF	Boldin et al., "Self-association of the "Death Domains" of the p55 Tumor Necrosis Factor (TNF) Receptor and Fas/APO1 Prompts Signaling for TNF and Fas/APO1 Effects," <i>The Journal of Biological Chemistry</i> , 270 (1), 387-391, 1995
	AG	Chou et al., "Solution Structure of the RAIDD CARD and Model for CARD/CARD Interaction in Caspase-2 and Caspase-9 Recruitment," <i>Cell</i> , 94, 171-180, 1988
	AH	Day et al., "Solution Structure and mutagenesis of the caspase recruitment domain (CARD) from Apaf-1," <i>Cell Death and Differentiation</i> , 6, 1125-1132, 1999
	AI	Duan et al., "RAIDD is a new 'death' adaptor molecule," <i>Nature</i> , 385, 86-89, January 1997
	AJ	Eberstadt et al., "NMR structure and mutagenesis of the FADD (Mort1) death-effector domain," <i>Nature</i> , 392, 941-945, 1998
	AK	Eck et al., "Crystallization of Trimeric Recombinant Human Tumor Necrosis Factor (Cachectin)," <i>The Journal of Biological Chemistry</i> , 263 (26), 12816-12819, 1988
	AL	Feinstein et al., "The death domain: a module shared by proteins with diverse cellular functions," <i>Tibs</i> , 20, 342-344, 1995
	AM	Grell et al., "TR60 and TR80 Tumor Necrosis Factor (TNF)-Receptors Can Independently Mediate Cytolysis," <i>Lymphokine and Cytokine Research</i> , 12, 143-148, 1993
	AN	Hofmann et al., "The CARD domain: a new apoptotic signalling motif," <i>TIBS</i> , 22, 155-156, 1997
	AO	Hsu et al., "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- $\kappa$ B Activation," <i>Cell</i> , 81, 495-504, 1995
	AP	Hsu et al., "TRADD – TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," <i>Cell</i> , 84, 299-308, 1996
	AQ	Hsu et al., "TNF-Dependent Recruitment of the Protein Kinase RIP to the TNF Receptor-1 Signaling Complex," <i>Immunity</i> , 4, 387-396, 1996
	AR	Huang et al., "NMR structure and mutagenesis of the Fas (APO-1/CD95) death domain," <i>Nature</i> , 384, 638-641, 1996

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AS	Jeong et al., "The Solution Structure of FADD Death Domain," The Journal of Biological Chemistry, 274(23), 16337-16342, 1999
	AT	Kelliher et al., "The Death Domain Kinase RIP Mediates the TNF-Induced NF- $\kappa$ B Signal," Immunity, 8, 297-303, 1998
	AU	Kieser et al., "LMP1 signal transduction differs substantially from TNF receptor 1 signaling in the molecular functions of TRADD and TRAF2," The EMBO Journal, 18(9), 2511-2521, 1999
	AV	Liepinsh et al., "NMR structure of the death domain of the p75 neurotrophin receptor," The EMBO Journal, 16 (16), 4999-5005, 1997
	AW	McWhirter et al., "Crystallographic analysis of CD40 recognition and signaling by human TRAF2," Proc. Natl. Acad. Sci. USA, 96, 8408-8413, 1999
	AX	Nakano et al., "TRAF5, an Activator of NF- $\kappa$ B and Putative Signal Transducer for the Lymphotoxin- $\beta$ Receptor," The Journal of Biological Chemistry, 271 (25), 14661-14664, 1996
	AY	Park et al., "Structural basis for self-association and receptor recognition of human TRAF2," Nature, 398, 533-538, 1999
	AZ	Pullen et al., "CD40-Tumor Necrosis Factor Receptor-Associated Factor (TRAF) Interactions: Regulation of CD40 Signaling through Multiple TRAF Binding Sites and TRAF Hetero-Oligomerization," Biochemistry, 37, 11836-11845, 1998
	AAA	Qin et al., "Structural basis of procaspase-9 recruitment by the apoptotic protease-activating factor 1," Nature, 399, 549-557, 1999
	ABB	Sato et al., "A novel member of the TRAF family of putative signal transducing protein binds to the cytosolic domain of CD40," FEBS Letters, 358, 113-118, 1995
	ACC	Sioud et al., "Design of Nuclease Resistant Protein Kinase C $\alpha$ DNA Enzymes with Potential Therapeutic Application," J. Mol. Biol., 296, 937-947, 2000
	ADD	Stanger et al., "RIP: A Novel Protein Containing a Death Domain That Interacts with Fas/APO-1 (CD95) in Yeast and Causes Cell Death," Cell, 81, 513-523, 1995
	AEE	Sukits et al., "Solution Structure of the Tumor Necrosis Factor Receptor-1 Death Domain," J. Mol. Biol., 310, 895-906, 2001
	AFF	Tartaglia et al., "Tumor Necrosis Factor's Cytotoxic Activity Is Signaled by the p55 TNF Receptor," Cell, 73, 213-216, 1993
	AGG	Telliez et al., "Mutational Analysis and NMR studies of the Death Domain of the Tumor Necrosis Factor Receptor-1," J. Mol. Biol., 300, 1323-1333, 2000
	AHH	Vandevoorde et al., "Induced Expression of Trimerized Intracellular Domains of the Human Tumor Necrosis Factor (TNF) p55 Receptor Elicits TNF Effects," The Journal of Cell Biology, 137 (7), 1627-1638, 1997
	AII	Xiao et al., "Three-Dimensional Structure of a Complex between the Death Domains of Pelle and Tube," Cell, 99, 545-555, 1999
	AJJ	Zhou et al., "Solution Structure of Apaf-1 CARD and its interaction with caspase-9 CARD: A Structural basis for specific adaptor/caspase interaction," Proc. Natl. Acad. Sci. USA, 96, 11265-11270, 1999
	AKK	

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